



### **Hak cipta dan penggunaan kembali:**

Lisensi ini mengizinkan setiap orang untuk mengubah, memperbaiki, dan membuat ciptaan turunan bukan untuk kepentingan komersial, selama anda mencantumkan nama penulis dan melisensikan ciptaan turunan dengan syarat yang serupa dengan ciptaan asli.

### **Copyright and reuse:**

This license lets you remix, tweak, and build upon work non-commercially, as long as you credit the origin creator and license it on your new creations under the identical terms.

## DAFTAR PUSTAKA

- Akçay, S., Kundegorski, M. E., Devereux, M., & Breckon, T. P. (2016, September). Transfer learning using convolutional neural networks for object classification within x-ray baggage security imagery. In *2016 IEEE International Conference on Image Processing (ICIP)* (pp. 1057-1061). IEEE. [online]. Tersedia di: <https://ieeexplore.ieee.org/abstract/document/7532519> [Diakses 10 April 2020].
- Adinegoro Soeparno, H. (2019). *Rancang Bangun Aplikasi Deteksi Bahasa Isyarat Menggunakan Algoritma Convolutional Neural Network* (Doctoral dissertation, Universitas Multimedia Nusantara). [online]. Tersedia di: <http://kc.umn.ac.id/10169> [Diakses 1 Maret 2020].
- Alcander Prayogo, K. (2019). *Implementasi Siamese Convolutional Network pada Citra Chest X-ray untuk Klasifikasi Penyakit Pneumonia* (Doctoral dissertation, Universitas Multimedia Nusantara). [online]. Tersedia di: <http://kc.umn.ac.id/10556> [Diakses 1 Maret 2020].
- Apriyanti, N. R., Nugroho, R. A., & Soesanto, O. (2016). ALGORITMA K-MEANS CLUSTERING DALAM PENGOLAHAN CITRA DIGITAL LANDSAT. *KLIK-KUMPULAN JURNAL ILMU KOMPUTER*, 2(2), 110-122. [online]. Tersedia di: <http://klik.ulm.ac.id/index.php/klik/article/view/22> [Diakses 14 Mei 2019].
- Bromley, J., Guyon, I., LeCun, Y., Säckinger, E., & Shah, R. (1994). Signature verification using a "siamese" time delay neural network. In *Advances in neural information processing systems* (pp. 737-744).
- Bukovcikova, Z., Sopiak, D., Oravec, M., & Pavlovicova, J. (2017). Face verification using convolutional neural networks with Siamese architecture. *2017 International Symposium ELMAR*. [online]. Tersedia di: <https://ieeexplore.ieee.org/document/8124469> [Diakses 5 Mei 2019].
- Chopra, S., Hadsell, R., & LeCun, Y. (2005, June). Learning a similarity metric discriminatively, with application to face verification. In *CVPR (1)* (pp. 539-546).
- Dave, I. R. (2017). Image analysis for malaria parasite detection from microscopic images of thick blood smear. *2017 International Conference on Wireless Communications, Signal Processing and Networking (WiSPNET)*. [online]. Tersedia di: <https://ieeexplore.ieee.org/document/8299974> [Diakses 29 April 2019].
- Dey, S., Dutta, A., Toledo, I., Gosh, S., Lladós, J. dan Pal, U. (2017). SigNet: Convolutional Siamese Network for Writer Independent Offline Signature Verification. *arXiv preprint arXiv:1707.02131v2*, [online]. Tersedia di: <https://arxiv.org/pdf/1707.02131.pdf> [Diakses 04 Mei 2019].

- Ervina, M. E., Silvi, R., & Wisisono, I. R. N. (2018). Peramalan Jumlah Penumpang Kereta Api di Indonesia dengan Resilient Back-Propagation (Rprop) Neural Network. *Jurnal Matematika" MANTIK"*, 4(2), 90-99. [online]. Tersedia di: <http://jurnalsaintek.uinsby.ac.id/index.php/mantik/article/view/310/314> [Diakses 12 Mei 2019].
- Giovany, S., Putra, A. dan Hariawan, A. (2018). PENGENALAN CITRA MAKANAN INDONESIA MENGGUNAKAN CONVOLUTIONAL NEURAL NETWORK. [online]. Tersedia di: [http://library.binus.ac.id/eColls/eThesiscdoc/Bab2/RS1\\_2017\\_1\\_736\\_Bab2.pdf](http://library.binus.ac.id/eColls/eThesiscdoc/Bab2/RS1_2017_1_736_Bab2.pdf) [Diakses 16 Mei 2019].
- Goodfellow, I., Bengio, Y. dan Courville, A. (2016). *Deep Learning*. [PDF]. Tersedia di: <https://books.google.co.id/books?id=omivDQAAQBAJ&printsec=frontcover&dq=convolutional+neural+network&hl=en&sa=X&ved=0ahUKEwjC0Z7DuJviAhWUjeYKHVGrBgcQ6AEIMjAB#v=onepage&q=convolutional%20neural%20network&f=false> [Diakses 15 Mei 2019].
- Hoetama, D. O. (2018). *Rancang Bangun Aplikasi Klasifikasi Waktu Pembusukan Ikan Menggunakan Algoritma Knn Dan Manhattan Distance* (Doctoral dissertation, Universitas Multimedia Nusantara). [online]. Tersedia di: <http://kc.umn.ac.id/4985> [Diakses 1 Maret 2020].
- Huang, Y., Liu, S., Hu, J., & Deng, W. (2017). Metric-Promoted Siamese Network for Gender Classification. 2017 12th IEEE International Conference on Automatic Face & Gesture Recognition (FG 2017). [online]. Tersedia di <https://ieeexplore.ieee.org/document/7961849> [Diakses 4 Mei 2019].
- Jones, M. (2015). *Artificial Intelligence: A System Approach*. [PDF]. Tersedia di: <https://books.google.co.id/books?id=ekUHwvRP7nUC&printsec=frontcover&dq=artificial+intelligence&hl=en&sa=X&ved=0ahUKEwiohsaSqpvAhULXSsKHfeWA2QQ6AEILzAB#v=onepage&q=neural%20network&f=false> [Diakses 15 Mei 2019].
- Kementrian Kesehatan Republik Indonesia. (2014). *Situasi Malaria Di Indonesia*. [PDF]. Tersedia di: <http://www.depkes.go.id/download.php?file=download/pusdatin/infodatin/infodatin-malaria.pdf> [Diakses 16 Mei 2019].
- Kementrian Kesehatan Republik Indonesia. (2017). *Buku Saku Penatalaksanaan Kasus Malaria*. [PDF]. Tersedia di: [http://www.pdpersi.co.id/kanalpersi/data/elibrary/bukusaku\\_malaria.pdf](http://www.pdpersi.co.id/kanalpersi/data/elibrary/bukusaku_malaria.pdf) [Diakses 29 April 2019].
- Kementrian Kesehatan Republik Indonesia. (2017). *Pedoman Teknis Pemeriksaan Parasit Malaria*. [PDF]. Tersedia di: <http://www.malaria.id/2017/12/buku-pedoman-teknis-pemeriksaan-parasi.html> [Diakses 10 Mei 2019].

- Kieffer, B., Babaie, M., Kalra, S., & Tizhoosh, H. R. (2017, November). Convolutional neural networks for histopathology image classification: Training vs. using pre-trained networks. In 2017 Seventh International Conference on Image Processing Theory, Tools and Applications (IPTA) (pp. 1-6). IEEE. [online]. Tersedia di: <https://ieeexplore.ieee.org/abstract/document/8310149> [Diakses 11 April 2020].
- Koch, G., Zemel, R., & Salakhutdinov, R. (2015, July). Siamese neural networks for one-shot image recognition. In ICML deep learning workshop (Vol. 2). [online]. Tersedia di: <https://www.cs.cmu.edu/~rsalakhu/papers/oneshot1.pdf> [Diakses 3 Mei 2019].
- Kusuma, W., Lestari, A. W., Herawati, S., & Yasa, I. W. P. S. (2014). Pemeriksaan Mikroskop Dan Tes Diagnostik Cepat Dalam Menegakkan Diagnosis Malaria. *E-Jurnal Medika Udayana*, 170-186. [online]. Tersedia di: <https://ojs.unud.ac.id/index.php/eum/article/view/7888> [Diakses 7 Mei 2019]
- Langford, Z., Eisenbeiser, L., & Vondal, M. (2019, May). Robust signal classification using siamese networks. In *Proceedings of the ACM Workshop on Wireless Security and Machine Learning* (pp. 1-5).
- Liang, Z., Powell, A., Ersoy, I., Poostchi, M., Silamut, K., Palaniappan, K., Thoma, G. (2016). CNN-based image analysis for malaria diagnosis. 2016 IEEE International Conference on Bioinformatics and Biomedicine (BIBM). [online]. Tersedia di: <https://ieeexplore.ieee.org/document/7822567> [Diakses 1 Mei 2019].
- Melekhov, I., Kannala, J., & Rahtu, E. (2016). Siamese network features for image matching. 2016 23rd International Conference on Pattern Recognition (ICPR). [online]. Tersedia di: <https://ieeexplore.ieee.org/document/7899663> [Diakses 4 Mei 2019].
- Munir, M. M., Fauzi, M., & Perdana, R. (2018). Implementasi metode backpropagation neural network berbasis lexicon based features dan bag of words untuk identifikasi ujaran kebencian pada twitter.
- Murphy, J. (2016). An Overview of Convolutional Neural Network Architectures for Deep Learning. [online]. <https://pdfs.semanticscholar.org/64db/333bb1b830f937b47d786921af4a6c2b3233.pdf> [Diakses 14 Mei 2019].
- Nielsen, M. (2018). Neural Networks and Deep Learning. [online]. Tersedia di: <http://neuralnetworksanddeeplearning.com/chap1.html> [Diakses 14 Mei 2019]
- Novaković, J. D., Veljović, A., Ilić, S. S., Papić, Ž., & Milica, T. (2017). Evaluation of Classification Models in Machine Learning. Theory and Applications of Mathematics & Computer Science, 7(1), 39-46. [online]. Tersedia di:

<https://www.uav.ro/applications/se/journal/index.php/TAMCS/article/download/158/126> [Diakses 15 Mei 2019].

Nugroho, H. A., Akbar, S. A., & Murhandarwati, E. E. H. (2015). Feature extraction and classification for detection malaria parasites in thin blood smear. 2015 2nd International Conference on Information Technology, Computer, and Electrical Engineering (ICITACEE). [online]. Tersedia di: <https://ieeexplore.ieee.org/abstract/document/7437798> [Diakses 7 Mei 2019].

Ognjanivski, G. (2015). Everything you need to know about Neural Networks and Backpropagation—Machine Learning Easy and Fun. [online]. Tersedia di: <https://towardsdatascience.com/everything-you-need-to-know-about-neural-networks-and-backpropagation-machine-learning-made-easy-e5285bc2be3a> [Diakses 10 Mei 2019].

Patterson, J. dan Gibson, A. (2017). *Deep Learning: A Practitioner's Approach*. [PDF]. Tersedia di: <https://books.google.co.id/books?id=rLcuDwAAQBAJ&lpg=PP1&dq=deep%20learning&pg=PT308#v=onepage&q=convolutional%20layer&f=false> [Diakses 14 Mei 2019].

Penas, K. E. D., Rivera, P. T., & Naval, P. C. (2017). Malaria Parasite Detection and Species Identification on Thin Blood Smears Using a Convolutional Neural Network. 2017 IEEE/ACM International Conference on Connected Health: Applications, Systems and Engineering Technologies (CHASE). [online]. Tersedia di: <https://ieeexplore.ieee.org/document/8010566> [Diakses 1 Mei 2019].

Putra, I. W. S. E. (2016). *Klasifikasi Citra Menggunakan Convolutional Neural Network (CNN) pada Caltech 101* (Doctoral dissertation, Institut Teknologi Sepuluh Nopember). [online]. Tersedia di: <http://repository.its.ac.id/48842/> [Diakses 14 Mei 2019].

Ravendran, A., de Silva, K. W. T. R. T., & Senanayake, R. (2015). Moment invariant features for automatic identification of critical malaria parasites. 2015 IEEE 10th International Conference on Industrial and Information Systems (ICIIS). [online]. Tersedia di: <https://ieeexplore.ieee.org/document/739905> [Diakses 5 Mei 2019].

Russel, S. dan Norvig, P. (2010). *Artificial Intelligence A Modern Approach Third Edition*. [PDF]. Tersedia di: <https://faculty.psau.edu.sa/filedownload/doc-7-pdf-a154ffbec538a4161a406abf62f5b76-original.pdf> [Diakses 15 Mei 2019].

Saha, S. (2018). A Comprehensive Guide to Convolutional Neural Networks—the ELI5 way. [online]. Tersedia di: <https://towardsdatascience.com/a-comprehensive-guide-to-convolutional-neural-networks-the-eli5-way-3bd2b1164a53> [Diakses 14 Mei 2019].

- Savkare, S. S., & Narote, S. P. (2015). Automated system for malaria parasite identification. 2015 International Conference on Communication, Information & Computing Technology (ICCICT). [online]. Tersedia di: <https://ieeexplore.ieee.org/abstract/document/7045660> [Diakses 29 April 2019].
- Saxena, S. (2017). Artificial Neuron Networks(Basics) | Introduction to Neural Networks. [online]. Tersedia di: <https://becominghuman.ai/artificial-neuron-networks-basics-introduction-to-neural-networks-3082f1dcca8c> [Diakses 14 Mei 2019].
- Setiawan, A. (2014). Segmentasi citra sel darah merah berdasarkan morfologi sel untuk mendeteksi anemia defisiensi besi. [online]. Tersedia di: <https://jurnal.uns.ac.id/itsmart/article/download/638/1648> sel darah merah.pdf [Diakses 10 Mei 2019].
- Tarawan, F. (2019). DETEKSI DEFISIENSI NUTRISI PADA TANAMAN MENGGUNAKAN CONVOLUTIONAL NEURAL NETWORK. [online]. Tersedia di: [http://library.binus.ac.id/eColls/eThesisdoc/Bab2/RS1\\_2018\\_1\\_486\\_Bab2.pdf](http://library.binus.ac.id/eColls/eThesisdoc/Bab2/RS1_2018_1_486_Bab2.pdf) [Diakses 16 Mei 2019].
- Tony, F., Adiarto, S. dan Sinukaban, K. (2019). IMPLEMENTASI METODE ARTIFICIAL NEURAL NETWORK UNTUK MENDUKUNG SISTEM DATA LOSS PREVENTION. [online]. Tersedia di: [http://library.binus.ac.id/eColls/eThesisdoc/Bab2/RS1\\_2018\\_1\\_1169\\_Bab2.pdf](http://library.binus.ac.id/eColls/eThesisdoc/Bab2/RS1_2018_1_1169_Bab2.pdf) [Diakses 16 Mei 2019].
- Utami, B., & Rahayu, Y. (2016). Klasifikasi Penentuan Tim Utama Olahraga Hockey Menggunakan Algoritma C4. 5 (Studi Kasus: Hockey Kabupaten Kendal). *Techno. Com*, 15(4), 364-368.
- Venkatesan, R., & Li, B. (2017). *Convolutional neural networks in visual computing: A concise guide*. CRC Press. [PDF]. Tersedia di: [https://books.google.co.id/books?hl=en&lr=&id=bAM7DwAAQBAJ&oi=fnd&pg=PT12&dq=Venkatesan+siamese+cnn&ots=4gyzJPsdAP&sig=I\\_9fw-2qze54HeqOaybWO-ybVr4&redir\\_esc=y#v=onepage&q&f=false](https://books.google.co.id/books?hl=en&lr=&id=bAM7DwAAQBAJ&oi=fnd&pg=PT12&dq=Venkatesan+siamese+cnn&ots=4gyzJPsdAP&sig=I_9fw-2qze54HeqOaybWO-ybVr4&redir_esc=y#v=onepage&q&f=false) [Diakses 16 Mei 2019].
- Windarto, A. P., Lubis, M. R., & Solikhun, S. (2018). MODEL ARSITEKTUR NEURAL NETWORK DENGAN BACKPROPOGATION PADA PREDIKSI TOTAL LABA RUGI KOMPREHENSIF BANK UMUM KONVENSIONAL. KLIK-KUMPULAN JURNAL ILMU KOMPUTER, 5(2), 147-158. [online]. Tersedia di: [http://klik.ulm.ac.id/index.php/klik/article/view/148/pdf\\_1](http://klik.ulm.ac.id/index.php/klik/article/view/148/pdf_1) [Diakses 12 Mei 2019].

World Health Organization. (2018). *World Malaria Report 2018*. [PDF]. Tersedia di: <https://www.who.int/malaria/publications/world-malaria-report-2018/report/en> [Diakses 01 Mei 2019].

Zhang, Z., Ong, L. L. S., Fang, K., Matthew, A., Dauwels, J., Dao, M., & Asada, H. (2016). Image classification of unlabeled malaria parasites in red blood cells. 2016 38th Annual International Conference of the IEEE Engineering in Medicine and Biology Society (EMBC). [online]. Tersedia di: <https://ieeexplore.ieee.org/document/7591599> [Diakses 29 April 2019].